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## History

### Z8 (E52) Complete Vehicle

The father of the Z8 is considered to be the legendary 507. Series 1 and Series 2 of the 507 were produced from November 1956 to March 1959. 43 Series 1 vehicles were produced and 209 Series 2 (shown below).

The vehicle was built on a box-section frame with frame side members and tubular cross members. The body was made of light alloy material.

The V8 engine boasted 3.2 litre displacement and 150 DIN bhp at 5000 rpm. Acceleration from 0 to 100 km/h was between 8 and 10 seconds depending on the axle transmission ratio. The specified top speed was 220 km/h. The 507 had a curb weight of 1220 kg.

The 507 was aimed at the sporty sections of elite society. In 1958 (Series 2) the vehicle cost was 29,950.00 DM.



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## Introduction

The Z8 is a two-seater sports car following the tradition of the 507. The vehicle design is a combination of classic style elements and modern BMW technology.

The complete body of the Z8 is made of aluminum. The body is produced in the Dingolfing plant and the vehicle is then finished built as a limited production in Munich plant.

The Z8 is designed as a classic roadster featuring a long hood, short overhang, rear-wheel drive and a soft top. Clearly seen above and right, it also features design elements typical of BMW roadsters such as the standard grilles on the front fenders.

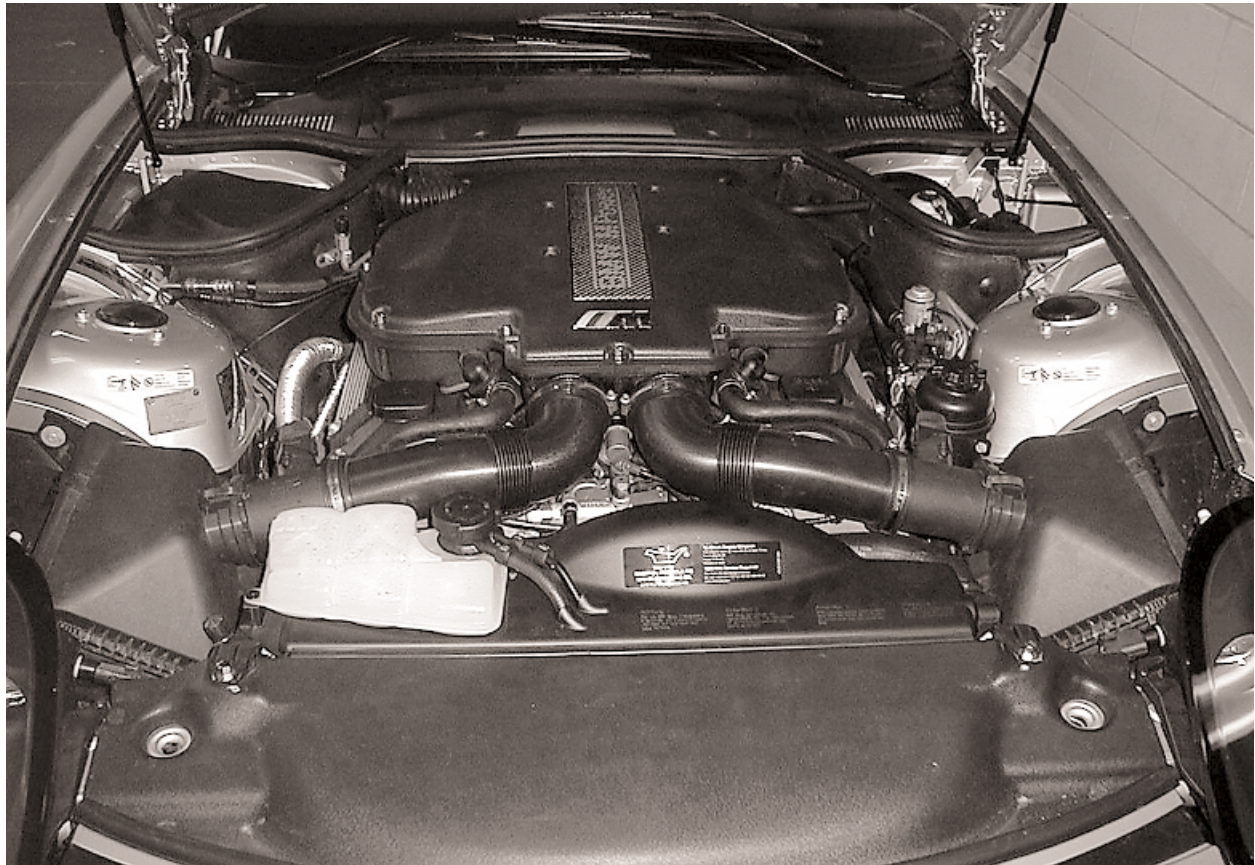
Typical for a roadster, the interior is both compact while at the same time setting new design standards.



The instruments shown on the right are located in the center of the instrument panel. This allows the driver to fully concentrate on the road ahead.

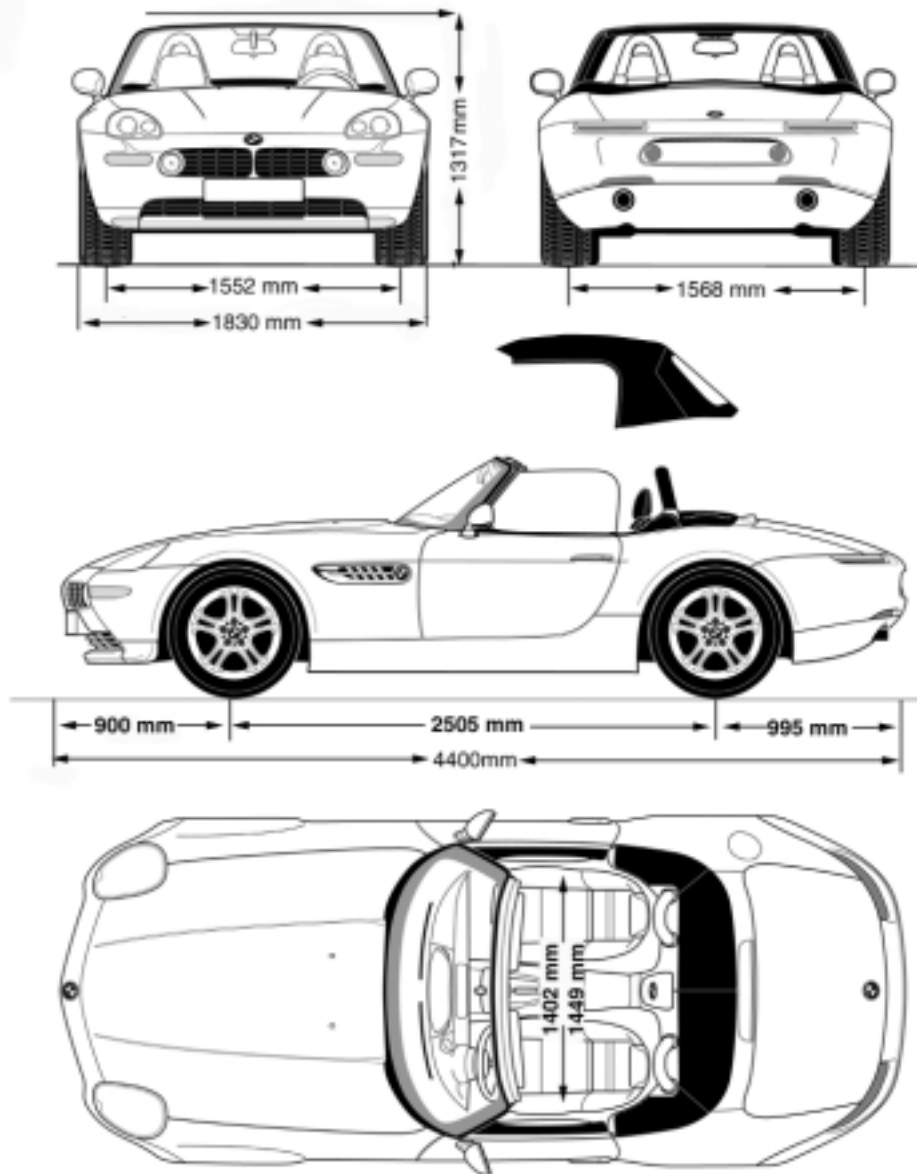


The underhood view below reveals the cleanly laid out engine compartment. The Z8 is powered by the BMW 5 liter S62 V8 engine, developing 394 bhp and a maximum torque of 500 Nm. This engine is currently found in the M5 luxury sports car.





## Vehicle Dimensions



ST038-40

## Technical Data

General	
Length	4400mm
Width	1830mm
Height	1317mm
Wheelbase	2505mm
Drag Coefficient	0.43mm
Turning Circle	11.8mm
Track Width (Front)	1552mm
Track Rear (Rear)	1568mm
Curb Weight	1585kg (3500lb)
	1615kg (With Hardtop)
Gross Weight Rating	1930kg (4,255lb)
Axle load Distribution	50% / 50%
Fuel Tank Capacity	73 L
Engine	
Design	V8
Cylinder angle	90 Degrees
Valves per cylinder	4
Displacement	4941ccm
Bore / stroke	94mm / 89mm
Power	394bhp at 6600rpm
Max. torque	500Nm at 3800rpm
Compression ratio	11.1
Fuel	Premium Unleaded
Drive Train	
Transmission	6-Speed manual
Rear axle transmission ratio	3.15 US
Tire Dimensions	
Front	245/45R 18W
Rear	275/40R 18W

## Vehicles In Same Market Segment

	BMW Z8	Mercedes SL 600	Porche 911 Cabriolet	Chevrolet Corvette Cabriolet	Ferrari F355 Spider	Ferrari 360 Modena (not yet on the market)	Jaguar XKR Cabriolet
<b>Dimensions</b>							
Length (mm)	4400	4499	4430	4560	4250	4477	4760
Width (mm)	1830	1809	1765	1869	1900	1922	1829
Height (mm)	1317	1300	1305	1214	1170	1214	1306
Wheelbase (mm)	2505	2515	2350	2656	2450	2600	1825
Curb Weight (kg)	1585	2050	1470	1538	1350	1390	2588
<b>Technical Data</b>							
Top Speed (km/h)	250 *)	250 *)	280	274	295	295	250 *)
Acceleration 0 -100 (km/h/s)	4.7	6.1	5.4	5.6	4.7	4.5	5.6
<b>Engine</b>							
Power (bhp) (kW)	394 (294)	396 (290)	300 (221)	344 (253)	380 (287)	400 (295)	376 (267)
Torque (Nm/rpm)	500/ 3800	570/ 3800	350/ 4600	483/ 4200	363/ 6000	375/ 5000	505/ 3600
Design	V8	V12	B6	V8	V8	V8	V8
Installation Location	front	front	rear	front	center	center	front
Ca. Price (DM)	235,000	230,000	160,000	115,000	230,000	230,000	170,000

\*) governed